

FIG.1

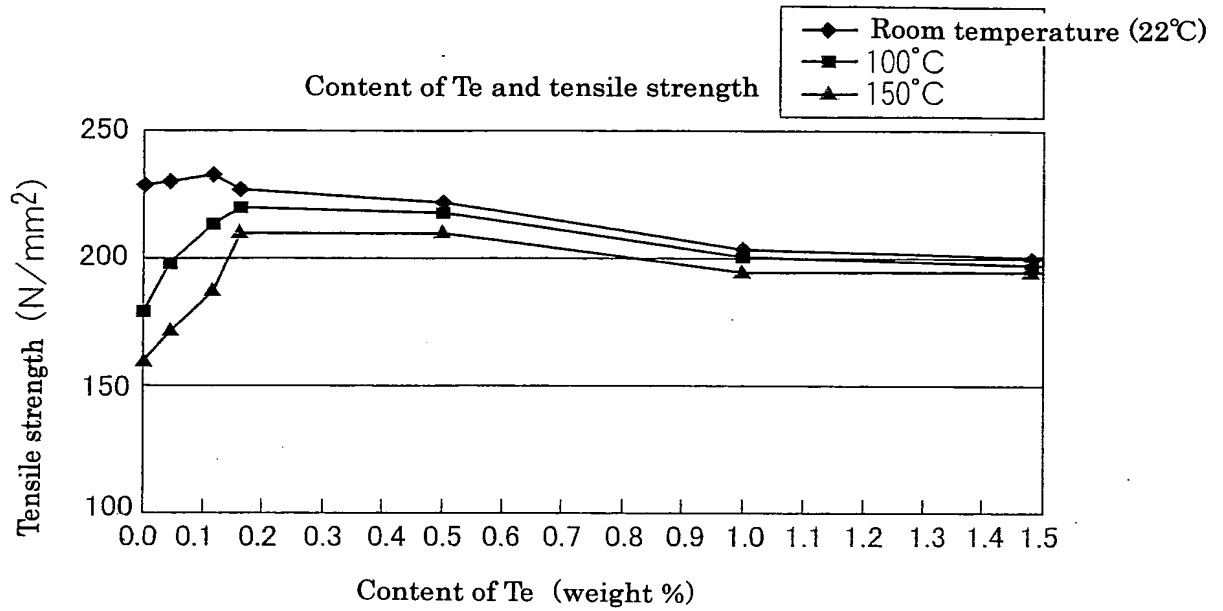


FIG.2

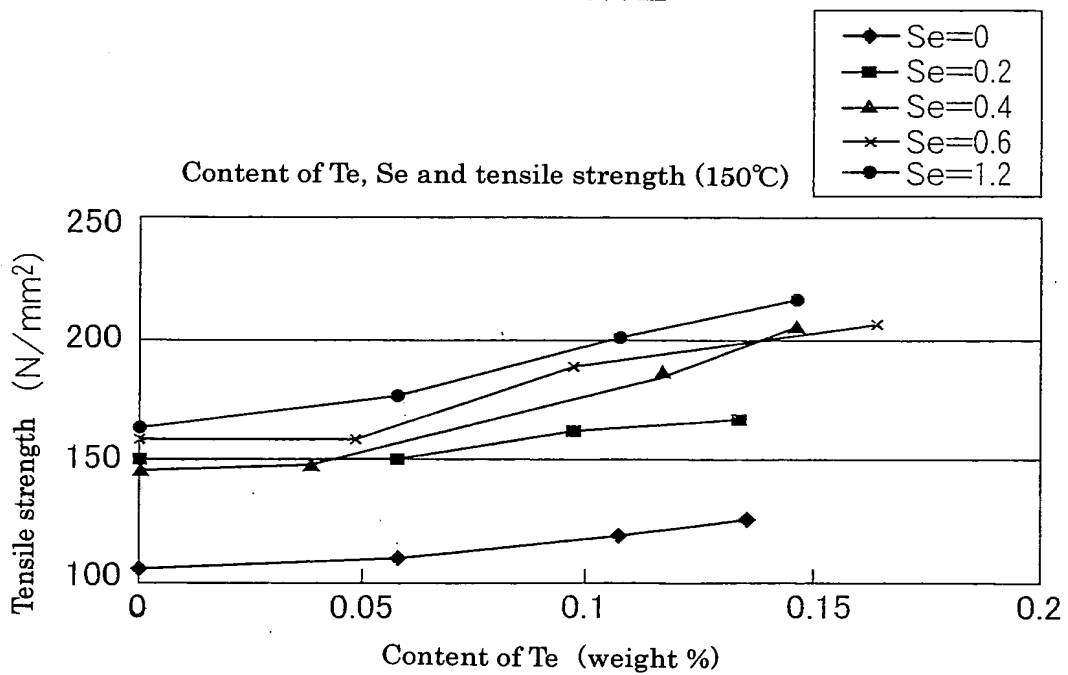


FIG.3

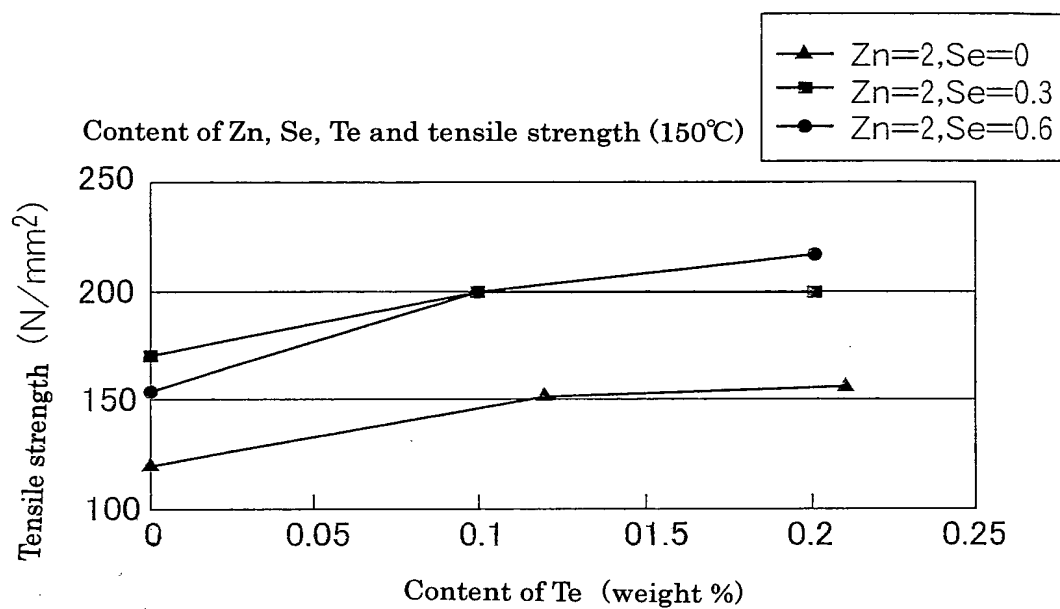


FIG.4

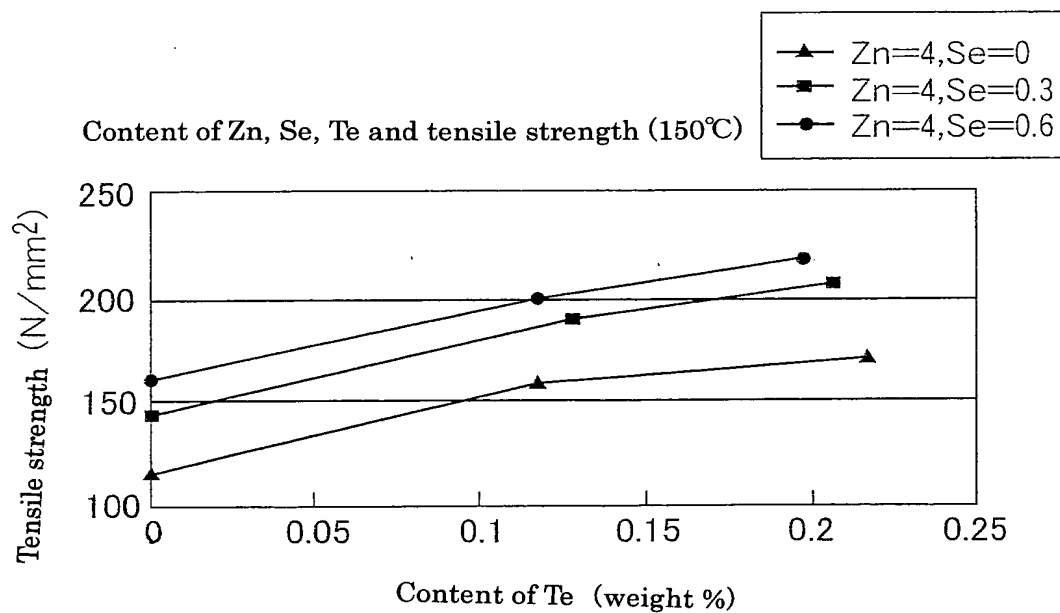


FIG.5

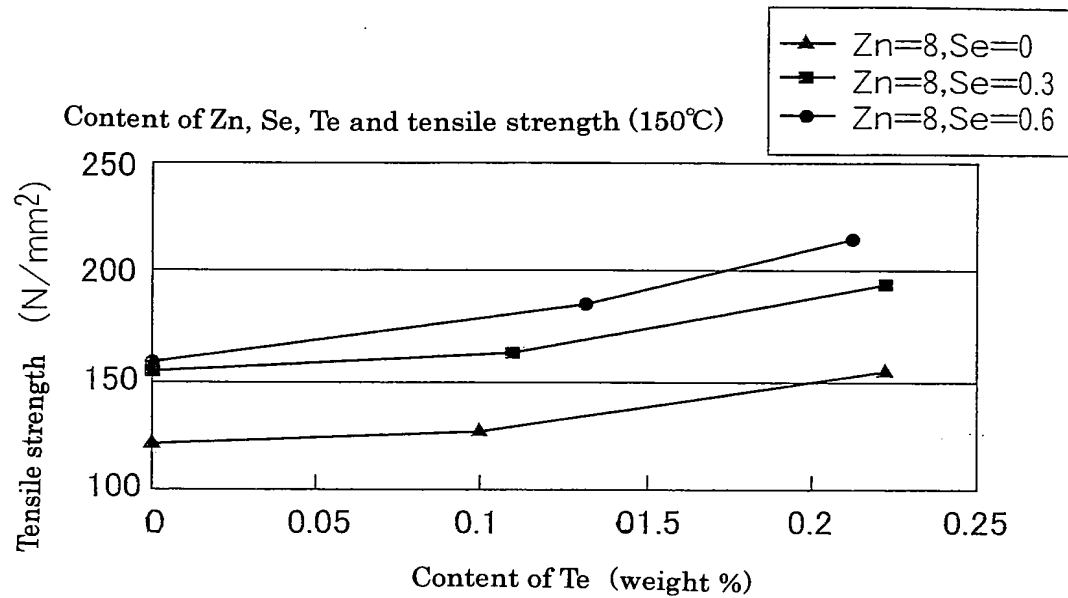


FIG.6

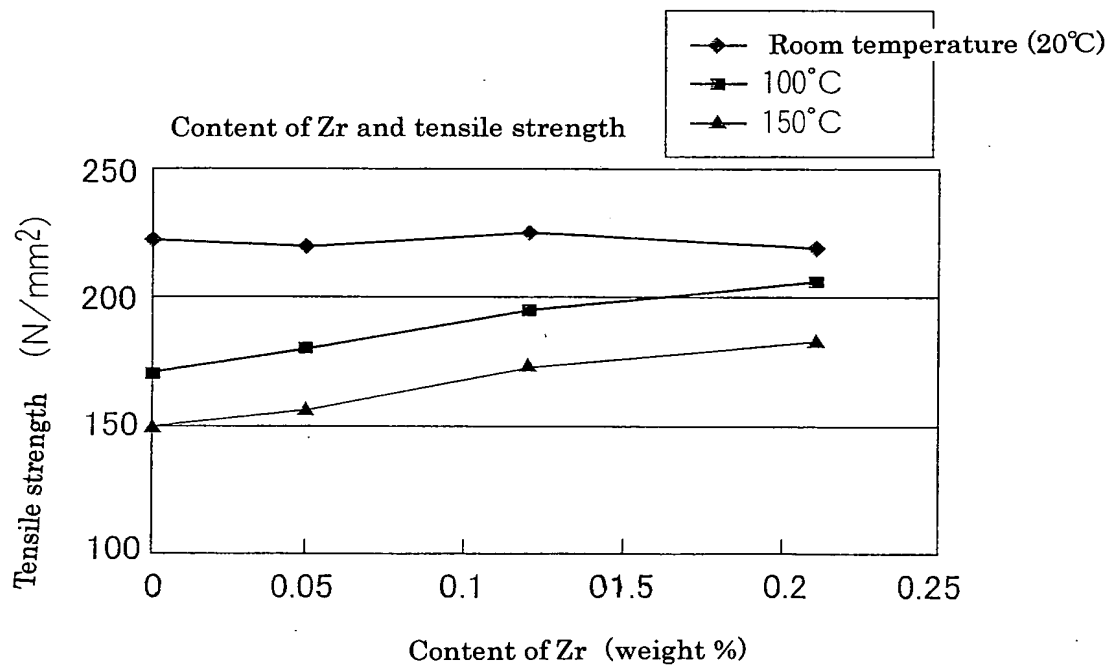
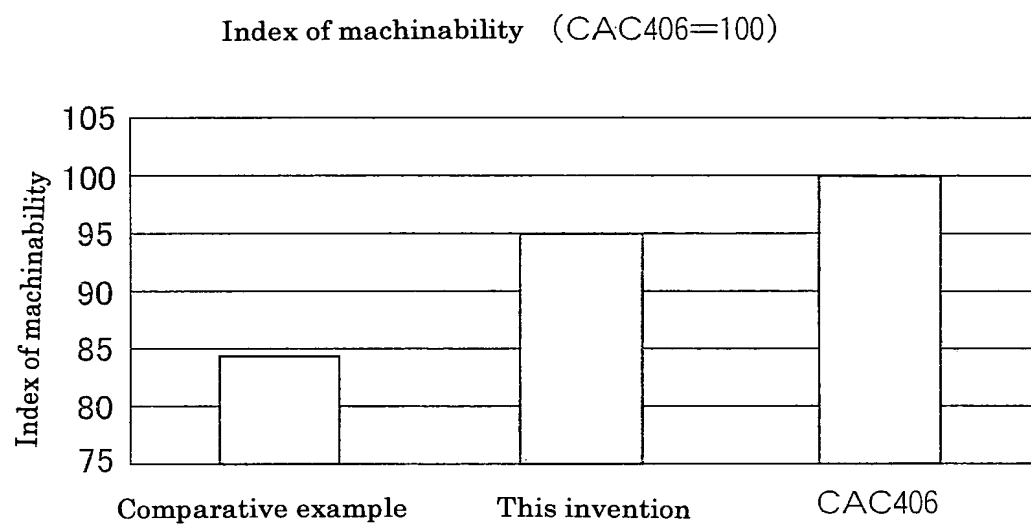


FIG.7



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FIG.8

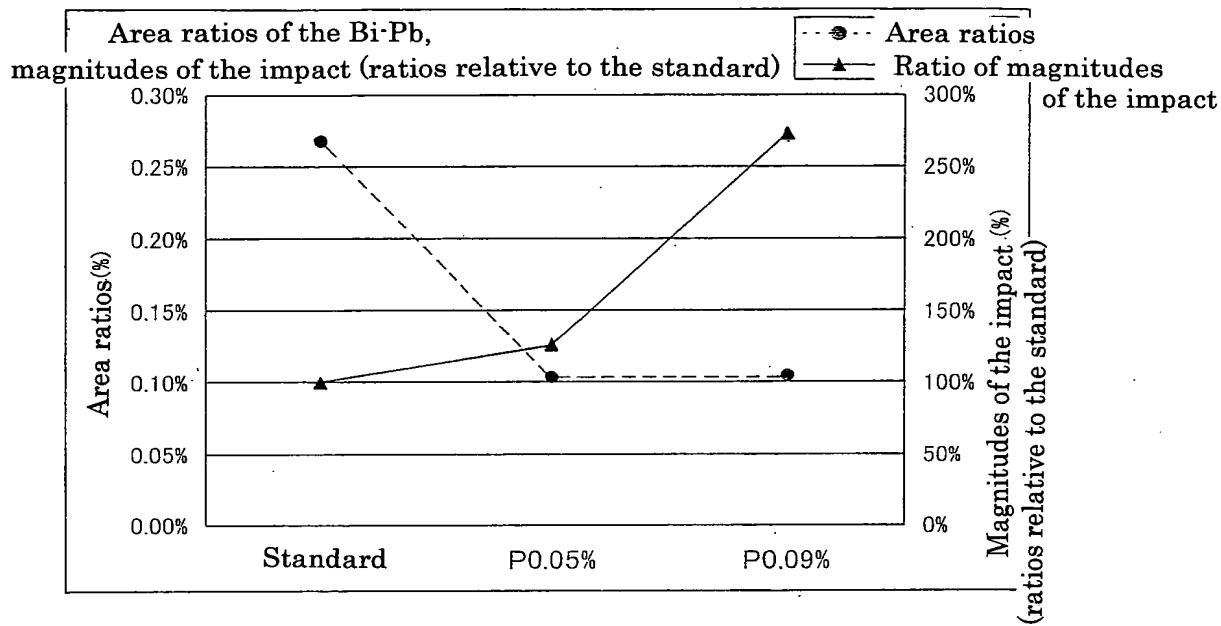
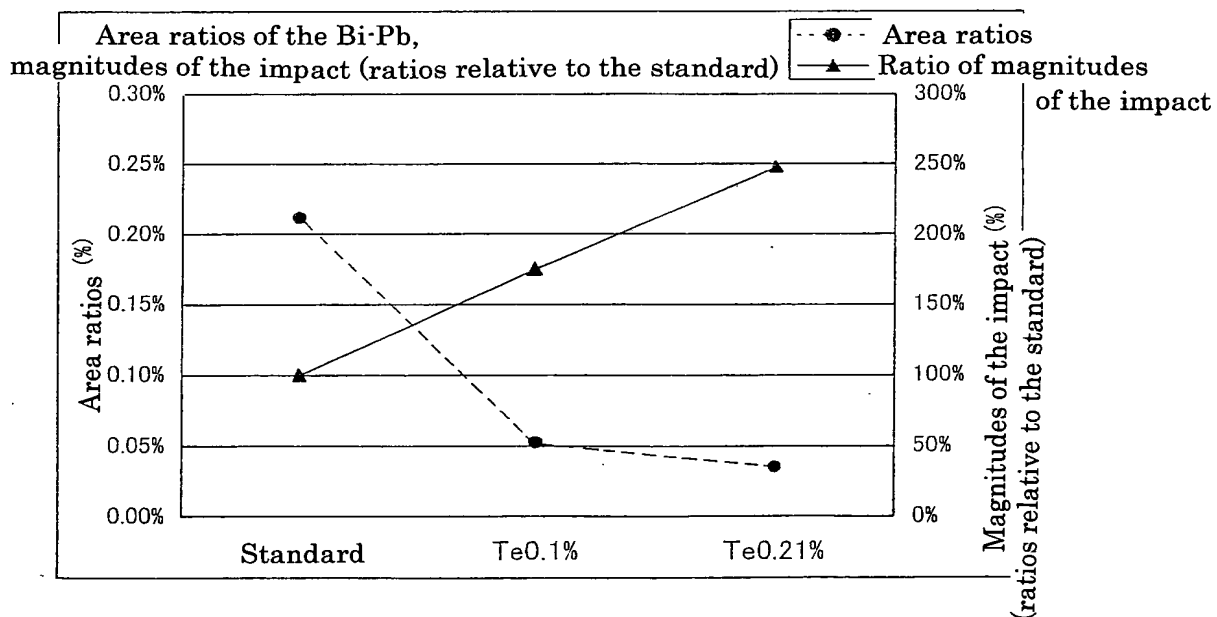


FIG.9



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FIG.10

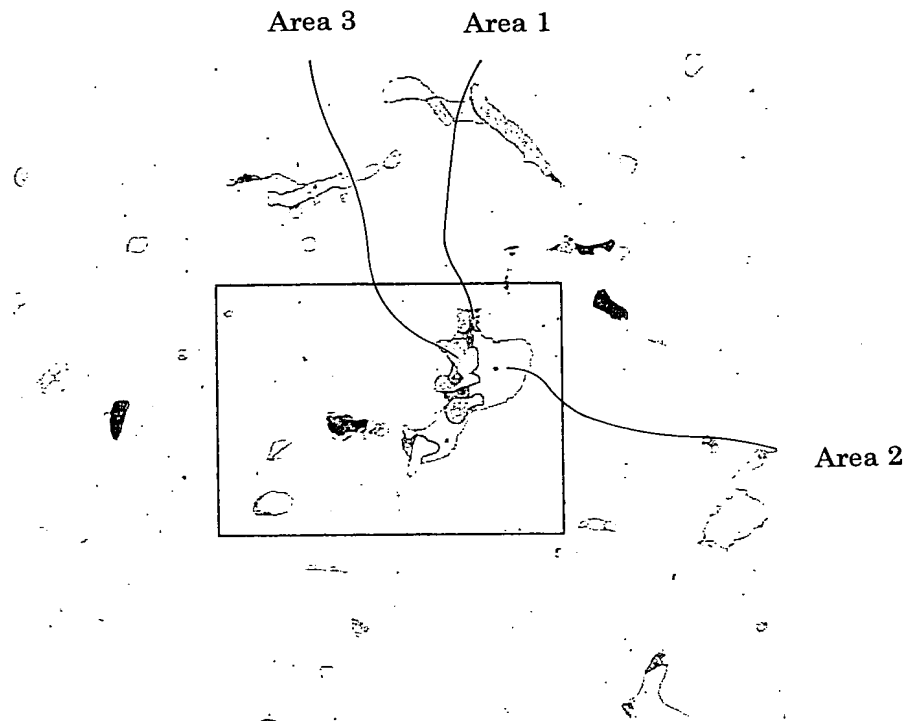


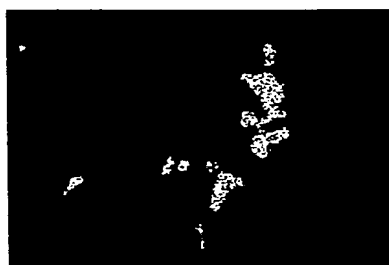
FIG.11



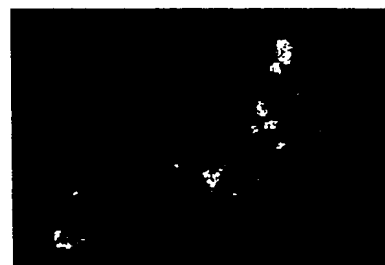
Copper Ka1



Zinc Ka1



Selenium Ka1



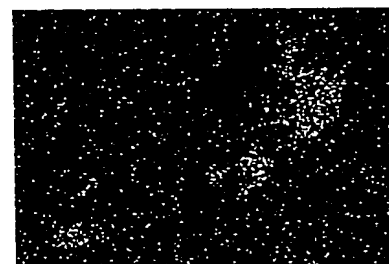
Lead La1



Tin La1



Bismuth La1



Chrome Ka1

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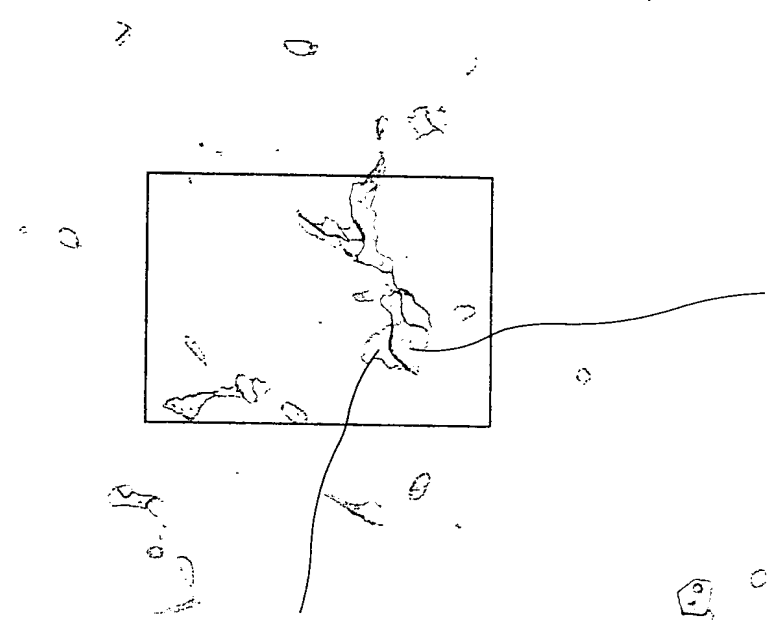


FIG.13



Copper Ka1



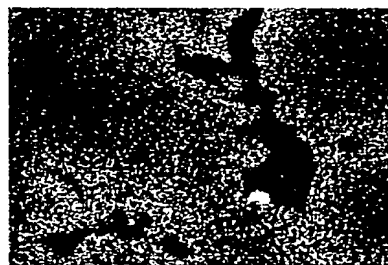
Zinc Ka1



Selenium Ka1



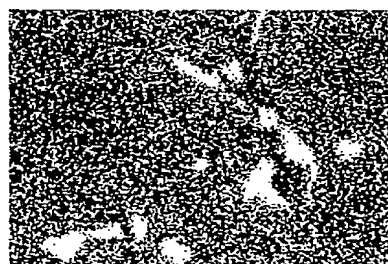
Lead La1



Tin La1



Bismuth La1



Phosphorus Ka1

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FIG.14

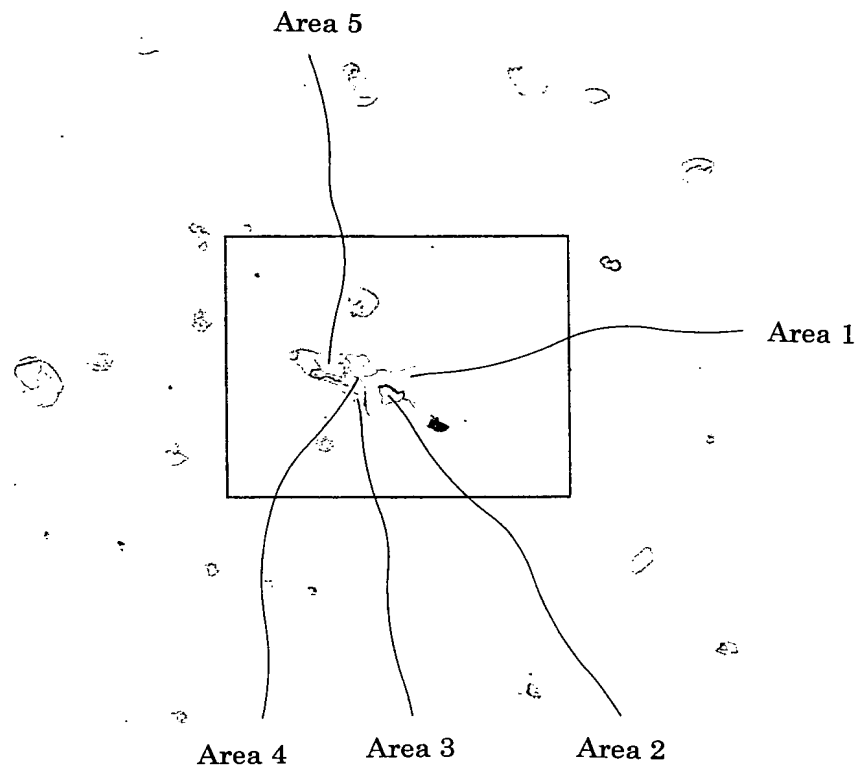


FIG.15



Copper Ka1



Zinc Ka1



Selenium Ka1



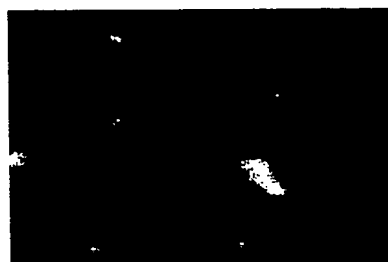
Lead La1



Tin La1



Bismuth La1

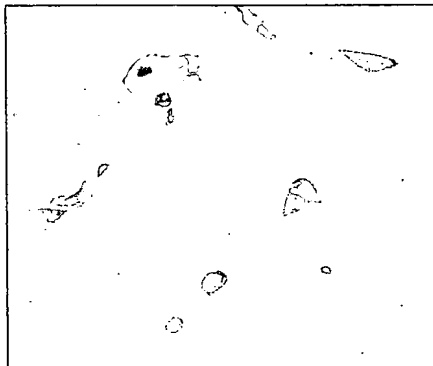


Tellurium La1

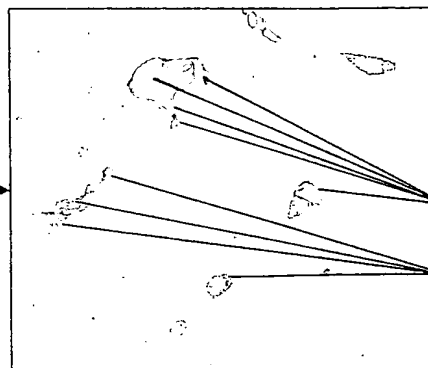
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FIG.16

Microscopic composition of metal
(before image processing)



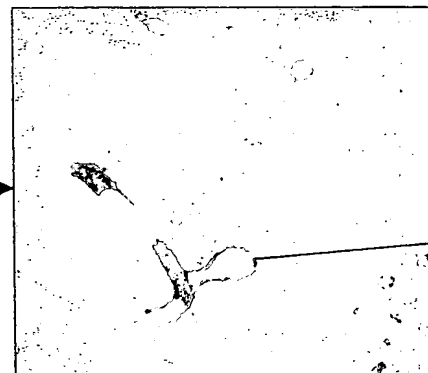
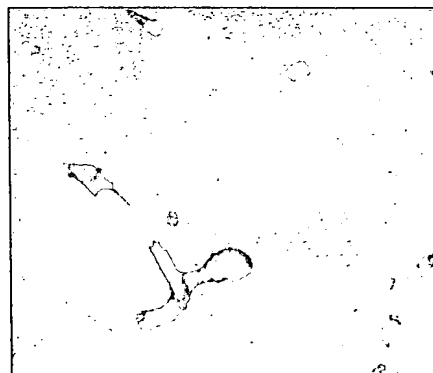
Microscopic composition of metal
(after image processing)



Sample No. 3
(standard sample)
Area ratios of the
0.268% Bi-Pb

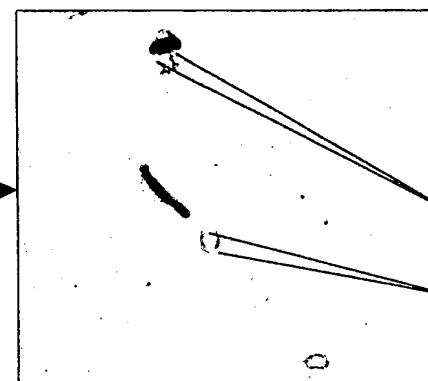
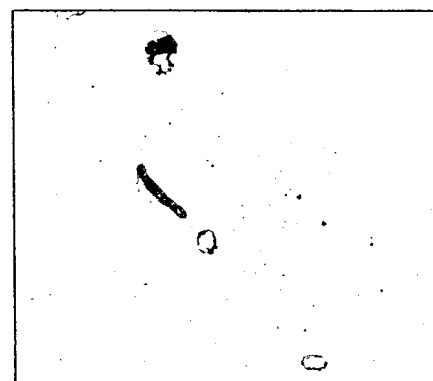
Bi-Pb

Bi-Pb



Sample No. 1
(0.05% of P is
contained)
Area ratios of the
0.103% Bi-Pb

Bi-Pb



Sample No. 2
(0.09% of P is
contained)
Area ratios of the
0.104% Bi-Pb

Bi-Pb

Bi-Pb

400 magnifications

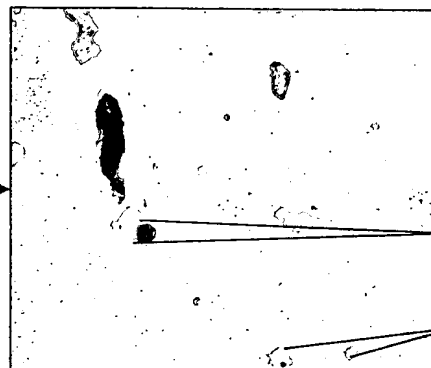
Area ratios of the Bi-Pb is an average value of 20 fields of view

FIG.17

Microscopic composition of metal
(before image processing)



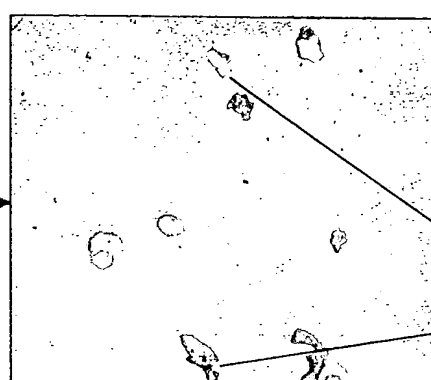
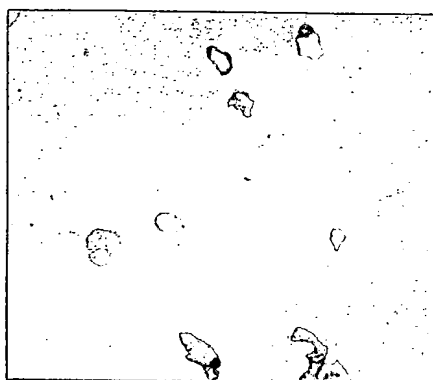
Microscopic composition of metal
(after image processing)



Sample No. 6
(standard sample)
Area ratios of the
0.212% Bi-Pb

Bi-Pb

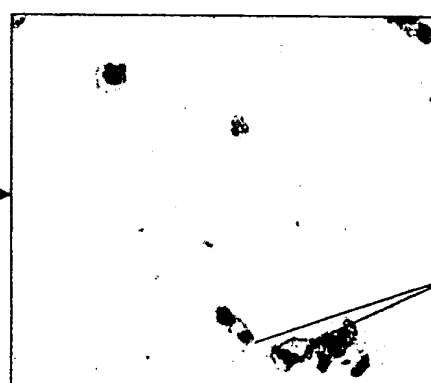
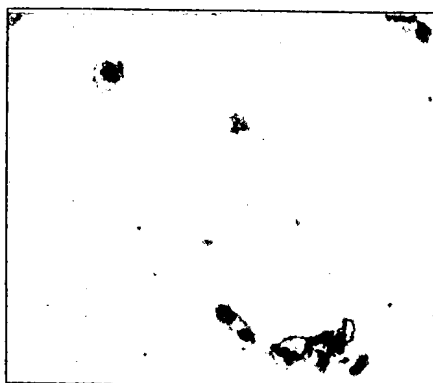
Bi-Pb



Sample No. 4
(0.1% of Te is
contained)
Area ratios of the
0.052% Bi-Pb

Bi-Pb

Bi-Pb



Sample No. 5
(0.21% of Te is
contained)
Area ratios of the
0.035% Bi-Pb

Bi-Pb

400 magnifications

Area ratios of the Bi-Pb is an average value of 20 fields of view